Storm Water Pollution Prevention

AGENDA

- **What is Storm Water & Why we need to protect it**
- **Role of the EQO**
- **Storm Water Pollution Prevention Plan**
- **Potential Sources of Storm Water Pollution**
- **BMP's – Baseline and Advanced**

STORM WATER…

What is Stormwater?

Storm water includes all forms of precipitation (rain, snow hail, etc.). Impervious surfaces like driveways, sidewalks, and streets prevent stormwater from naturally soaking into the ground.

Why is stormwater runoff a problem?

Stormwater carries debris, chemicals, dirt, and other pollutants that flow into storm sewer systems or directly into streams, rivers and lakes!

WHY PROTECT STORM WATER?

Human activities alter natural drainages & pollute rivers, lakes, streams and coastal waters.

As development increases in an area, the natural capacity of the soil and vegetation to infiltrate and take up rainfall decreases, and more rainfall becomes stormwater runoff.

IMPACTS OF CONTAMINATED STORM WATER

- Environmental/Biological
- Economic
- Safety
- Aesthetics & Recreation

MOST IMPORTANTLY, IT'S THE LAW!

The Clean Water Act (CWA) is the cornerstone of surface water quality protection in the United States. The statute employs a variety of regulatory and non-regulatory tools to sharply reduce direct pollutant discharges into waterways.

ROLE OF THE EQO

- Implementation of the Storm Water Pollution Prevention Plan (SWPPP)
- Identify potential sources of storm water contamination
- Describe and ensure implementation of Best Management Practices (BMP's)
- Ensure compliance with regulations

SWPPP'S INCLUDE

- Mechanisms to ensure success of the plan (inspections, updates)
- Best Management Practices recommended to prevent storm water contamination.
- Plan for storm water inspections

CONTAMINATION PATHWAYS

Non-Storm Water Discharge

Surface Erosion

Spills/Leaks

POTENTIAL POLLUTANT SOURCES

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Best Management Practices

BMP's are guidelines that are designed to help protect water quality.

BMP's are divided into 2 categories

1. **Structural**
2. **Non-structural**

Structural BMP's

Sheds

Curbs

NON-STRUCTURAL BMP'S

NON-STRUCTURAL BMP'S

GOOD HOUSEKEEPING

Not so GOOD HOUSEKEEPING

Not so good…

BMP MAINTENANCE

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Preventing non-storm water discharges (such as vehicle washing) from entering the storm water drainage system.

Approved Car Wash Locations

Other BMP'S

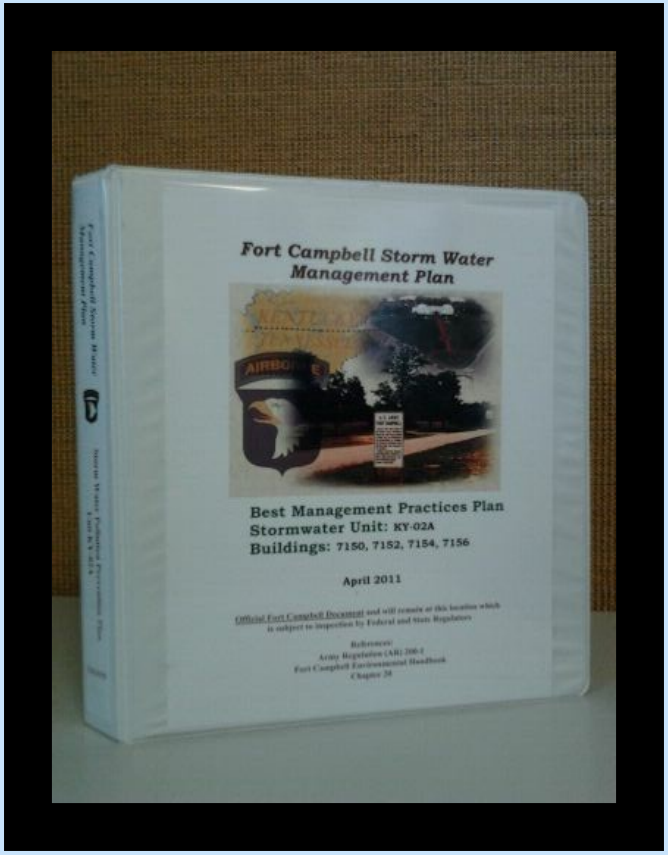
Periodic inspections of all areas with potential to contaminate storm water runoff.

Other BMP’S

Providing personnel with appropriate training.

Other BMP'S

Maintaining proper records of all inspections


Fort Campbell Storm Water Management Plan
Best Management Practices Plan
Stormwater Unit: KY-02A
Buildings: 7150, 7152, 7154, 7156
April 2011

Field Water Release Operations

- Reverse Osmosis Water Purification Units (ROWPU)
- Tactical Water Purification System (TWPS)
- Field Kitchen Wastewater
- Fire Fighting Activity/ Bambi Bucket Operations
- Bath & Laundry
- Decontamination Operations

SUMMARY…

- Storm water protection is the law, therefore it’s everyone's responsibility.

- Requires awareness & common sense practices.

IF IT’S ON THE GROUND,
IT’S IN YOUR WATER

QUESTIONS…

For additional information contact:

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